

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	63	fago-frank-m.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 10:07
S4	2197	mallinckrodt.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 12:07
S6	9	hughes-michael-scott.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 06:29
S7	7951	((604/27,152,202,140,82,85,218) or (222/1,386,145.1) or (600/420,432)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/19 12:11
S8	20264	((604/82-85,92,93.1,131,140,150,87,181,183,187,218) or (222/145.1,145.5,326,386) or (424/9.5,9.52) or (600/300,407,410,419,420,437,458,427,431-432)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/25 08:07
S9	14	(("4135510") or ("1004351") or ("6447158") or ("5368382")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/01 16:01
S10	233	"radial flow channels"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 12:52
S18	6	(("5824232") or ("20050215954") or ("6554792")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/25 08:35
S19	4	(("5406950") or ("20030185756")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/19 15:02
S22	24	("2778360").URPN.	USPAT	OR	ON	2007/07/19 15:24

## EAST Search History

S23	11	"fluid suspension apparatus"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 15:35
S24	35509	suspension and colloid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 15:35
S25	19638	S24 and (device or apparatus)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 15:36
S26	1323	S25 and radial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 15:36
S27	370	S26 and axial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 15:39
S30	2	"20040027914"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 15:40
S31	51	circumfrential and axial and radial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 15:41
S32	14	("2585815"   "3216616"   "3353718"   "3417904"   "3677448").PN. OR ("4135510"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/19 15:44
S33	7857	suspension near fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 08:07
S34	1100	S33 and (syringe or needle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 08:12

## EAST Search History

S35	60	marble and maze and game	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 08:14
S36	620	(ball or bearing) and maze and game	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 08:15
S37	11	("0939050"   "1147173"   "1982633"   "3423872"   "3462148").PN. OR ("3747930"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 08:16
S38	17	("0446872"   "0456826"   "0644209"   "1768016"   "2390458"   "3008716").PN. OR ("3844562"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 08:17
S39	13	("0859767"   "2061135"   "2390458"   "2788974"   "3552750"   "4066265").PN. OR ("4251075"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 08:17
S40	13	("0417931"   "0598889"   "0600696"   "2011266"   "4066265"   "4452455").PN. OR ("4570935"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 08:28
S41	117	S36 and circle and (multiple or pluralality)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 08:19
S42	1	("446872").URPN.	USPAT	OR	ON	2007/07/25 08:23
S43	1	("446872").URPN.	USPAT	OR	ON	2007/07/25 08:23

## EAST Search History

S44	100	((("20050215954") or ("4020152") or ("4069306") or ("4124705") or ("4243652") or ("4310507") or ("4311555") or ("4374642") or ("4522840") or ("4542038") or ("4588574") or ("4615879") or ("4889931") or ("4916094") or ("4944938") or ("4978763") or ("4985233") or ("5023072") or ("5179955") or ("5229466") or ("5240628") or ("5261939") or ("5268466") or ("5310538") or ("5312615") or ("5312616") or ("5323780") or ("5326553") or ("5326586") or ("5330740") or ("5334370") or ("5336484") or ("5368837") or ("5368840") or ("5372800") or ("5385720") or ("5385721") or ("5409688") or ("5445810") or ("5558854") or ("5607661") or ("5626832") or ("5772984") or ("6156292") or ("6190774") or ("6261679") or ("6337082") or ("6342343") or ("6368782") or ("6387077")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/25 08:29
S45	6	((("6554792") or ("5406950") or ("20030185756")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/25 08:29
S46	14	((("4135510") or ("6447158") or ("5368382") or ("1004351")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/25 08:57
S47	377	passive near (mixer or "mixing device")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 08:58
S48	41	passive near (mixer or "mixing device") and (suspension or suspendable or suspended)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 09:01
S49	7012	maintain adj3 suspension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 09:18

## EAST Search History

S50	298	S49 and (circumfrence or circumfrential or rings) and (axial or bore) and (radius or radial or radially)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 09:24
S51	53375	mixing adj chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 09:24
S52	3126	S51 and (circumfrence or circumfrential or rings) and (axial or bore) and (radius or radial or radially)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 09:24
S53	2465	S52 and (channel or path or ditch or groove)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 09:25
S54	466	S53 and (suspension or suspendible or suspended)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 10:22
S55	2	("20050286343").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/25 10:22
S56	0	("2005/0286343").URPN.	USPAT	OR	ON	2007/07/25 10:25
S57	58	((("5779986") or ("4,874,248") or ("3,377,139") or ("2,092,992") or ("2,169,338") or ("2,960,318") or ("2,469,999") or ("4,261,175") or ("2,798,698") or ("2,740,696") or ("2,734,728") or ("2,774,577") or ("3,062,627") or ("2,730,338"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/25 10:26
S58	8	((("5053019") or ("4596555") or ("4638809") or ("5897530"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/25 10:30
S59	22	("1948388"   "2515956"   "2647514"   "2711734"   "2939459"   "3673411"   "3746216"   "3749084"   "4044758"   "4122836"   "4190046"   "4241728").PN. OR ("5053019").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 10:35

## EAST Search History

S60	42	("3760806"   "4201207"   "4386929"   "4419096"   "4741733"   "4904239"   "5061243"   "5083678"   "5137175"   "5178610"   "5298025").PN. OR ("5897530").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 10:35
S61	21	("3756390"   "3801818"   "3814941"   "4361155"   "4479578").PN. OR ("4638809").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 10:35
S62	49	("2954028"   "3001525"   "3305446"   "3322114"   "3756237"   "3756390"   "3760984"   "3797485"   "3797494"   "3845770"   "3848603"   "3854480"   "3921635"   "3921636"   "3941126"   "3948254"   "3976068"   "3993072"   "3993073"   "3995631"   "4061141"   "4177256"   "4203439"   "4217894"   "4233973"   "4256104"   "4323457").PN. OR ("4596555").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 10:44
S63	2767	(S59 or S60 or S52 or S62 or S58 or S57) and (radius or radially or inward or inwardly)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 10:45
S64	75	(S59 or S60 or S61 or S62 or S58 or S57) and (radius or radially or inward or inwardly)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 10:53
S65	168	"radial flow channels"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 10:53
S66	37	("1690564"   "1742768"   "1861576"   "2255937"   "2864505"   "3020977"   "3237771"   "3361260"   "3668837"   "3739916"   "4092246"   "4154688"   "4406787"   "4439321"   "4609466"   "4681605"   "4738778"   "4824564"   "4898670"   "5232595"   "5266195"   "Re33502").PN. OR ("5824232").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 11:04
S67	10	((("5824232") or ("4834187") or ("5224187") or ("6354729") or ("4824564"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/01 15:15

## EAST Search History

S68	37	("1690564"   "1742768"   "1861576"   "2255937"   "2864505"   "3020977"   "3237771"   "3361260"   "3668837"   "3739916"   "4092246"   "4154688"   "4406787"   "4439321"   "4609466"   "4681605"   "4738778"   "4824564"   "4898670"   "5232595"   "5266195"   "Re33502").PN. OR ("5824232").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 11:05
S69	23	("2149446"   "2557162"   "2719589"   "2736386"   "2808114"   "2867282"   "3613794"   "3773111"   "3888313"   "4319640"   "4700894"   "4760886").PN. OR ("4834187").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 11:05
S70	9	("2280272"   "3194540"   "4564333").PN. OR ("6354729"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 11:05
S71	36	("1896310"   "2071527"   "3344925"   "3726407"   "4452697").PN. OR ("4824564"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 11:08
S72	3391	("mixing apparatus" or "mixing device").ti.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 11:11
S73	95	S72 and (radial or radially) and (circumfrential or circumference) and (axial or axially)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 11:11
S74	9	("2280272"   "3194540"   "4564333").PN. OR ("6354729"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 15:09
S75	15	("3194540").URPN.	USPAT	OR	ON	2007/08/01 15:11
S76	569	"distributive mixing"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:22
S77	42	"tumble-blenders" "ribbon-blenders" "Structured-distributive mixers"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:16
S78	5596	"tumble blenders" "ribbon blenders" "Structured distributive mixers"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:17

## EAST Search History

S79	2	"Structured distributive" adj (mixing or mixer or agitator\$3 or blend\$3 or amalgam\$5 or integrat\$3 or separat\$3 or fusion\$3 or interfusion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:39
S80	2	"Structured-distributive" adj (mixing or mixer or agitator\$3 or blend\$3 or amalgam\$5 or integrat\$3 or separat\$3 or fusion\$3 or interfusion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:22
S81	582	"distributive" adj (mixing or mixer or blender or agitator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:23
S82	10	S81.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:23
S83	209	S81 and static	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:25
S84	48	S81 and reservoir	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:29
S85	20741	(static or stationary or motionless or fixed or immobile or inactive or inert or latent or passive or rigid of stagnant or standing or still or unfluctuating or unmoving or unvarying) adj (mixer or mixing or blender or blending or agitating or agitator or distributive or distributor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:32
S86	8886	S85 and fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:32
S87	1572	S86 and reservoir	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:38



## EAST Search History

S88	961	"l16" and channel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:38
S89	2001	(mixing or mixer or agitator or blend or amalgam or integration or separation or fusion or interfusion) and fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 11:32
S90	1	"07/923,585"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 16:01
S91	19	"923,585"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 16:02
S92	292	kawasaki-kenji.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 16:02
S93	292	S92 and ay@="03081992"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 16:03
S94	292	S92 and ay@="08031992"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 16:04
S95	0	S92 and @ay="08031992"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 16:05
S96	0	S92 and @ay="03081992"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 16:05
S97	10	("4039170"   "4403863"   "4552463"   "4560284"   "4619531"   "4632568"   "4801210"   "4830505"   "4848920").PN. OR ("5368382").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 16:10

## EAST Search History

S98	0	"aspirating a syringe".ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 07:27
S99	0	"method of aspirating a syringe"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 07:28
S10 0	0	"aspirating a syringe"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 07:28
S10 1	27	"aspirating syringe".ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 07:53
S10 2	0	"method of filling".ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 07:54
S10 3	0	"method of filling a syringe"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 07:54
S10 4	3308	"method filling".ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:13
S10 5	77476	(prevent or maintain or stop or limit or impede or avert or counteract or hamper or hinder or inhibit or interrupt or obstruct or retard or restrict) near3 (suspension or colloid or mixture or slurry or mash or dispersal or "dispersed particle" or "dispersed mixture" or "dispersed medium")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:20
S10 6	25776	S105 and fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:20

## EAST Search History

S10 7	9464	S105 and channels	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:21
S10 8	27606	S105 and (channel or canal or compartment or gutter or trough or passage or passageway or groove or flute or fluting or track or rut or stria or striation or rill)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:23
S10 9	13637	S108 and fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:23
S11 0	12622	S108 and suspension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:23
S11 3	9150	S110 and (fluid or liquid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:24
S11 4	4137	S113 and (reservoir or cistern or sump or tank)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:25
S11 5	2879	S114 and (plate or baffle or damper or disk or disc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:53
S11 7	15	"pharmaceutical colloids"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:53
S11 8	15	"pharmaceutical colloid"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:53
S11 9	28	(pharmaceutical or medical) adj colloid\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 08:54

## EAST Search History

S12 0	49	((("0964730") or ("1428043") or ("3373906") or ("3378168") or ("3464412") or ("3858853") or ("4147621") or ("4776704") or ("4941751") or ("5071040") or ("5246670") or ("5286857") or ("5330426") or ("5352036") or ("5395323") or ("5716339") or ("5725500") or ("5891087") or ("6033645"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/02 09:13
S12 1	10	((("5053019") or ("4596555") or ("4638809") or ("5897530") or ("5077013"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/02 09:16
S12 2	7	((("4596555") or ("9608227"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/02 09:18
S12 3	21	((("0148116") or ("3814941") or ("9211928") or ("2317010") or ("4207202") or ("4183682"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/02 09:22
S12 4	12	((("4753536") or ("3520772") or ("4049241") or ("0148116"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/02 09:23
S12 5	17	("0571196"   "1514132"   "2075867"   "3733057").PN. OR ("4049241").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/02 09:23
S12 6	14	("4572210"   "4613326"   "4732162"   "4898580"   "5395325"   "5476449").PN. OR ("5891087").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/02 09:27
S12 7	10	("4568335"   "4850966"   "5246670"   "5352036"   "5489266"   "5603695").PN. OR ("5725500").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/02 09:27

## EAST Search History

S12 8	33	("1961023"   "2688967"   "3330282"   "3807119"   "3967759"   "4067333"   "4235235"   "4424057"   "4439184"   "4496344"   "4599082"   "4613326"   "4668223"   "4792329"   "4820286"   "4822340"   "4874381"   "4968299"   "5069670"   "5080649"   "5139490"   "5364369"   "5383864").PN. OR ("5716339"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/02 09:33
S12 9	22	("1948388"   "2515956"   "2647514"   "2711734"   "2939459"   "3673411"   "3746216"   "3749084"   "4044758"   "4122836"   "4190046"   "4241728").PN. OR ("5053019").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/02 09:28
S13 0	17	("1189478"   "2512471"   "2833840"   "3223388"   "3709468"   "3790030"   "4049241"   "4093188"   "4117551"   "4511258"   "4850704"   "4884894").PN. OR ("5277494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/02 09:28
S13 1	0	(S125 or S117 or S127 or S128 or S129 or S130) and (circumfren\$4 or radial3 or axial3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/02 09:34
S13 2	33	(S125 or S117 or S127 or S128 or S129 or S130) and (radially)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/02 09:34
S13 3	0	(S125 or S117 or S127 or S128 or S129 or S130) and radially and circumfrentially	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/02 09:34
S13 4	0	(S125 or S117 or S127 or S128 or S129 or S130) and radially and circumfrence	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/02 09:35
S13 5	17	(S125 or S117 or S127 or S128 or S129 or S130) and radially and axial	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/02 09:35
S13 6	1132584	(mixing or mixer or agitator\$3 or blend\$3 or amalgam\$5 or integrator\$3 or separator\$3 or fusion\$3 or interfusion) and fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 11:35
S13 7	64538	S136 and syringe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 11:36

## EAST Search History

S13 8	31508	S137 and (suspension or colloid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 11:36
S13 9	2033	S138 and (contrast adj (agent or dye))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 11:36
S14 0	2	("5368382").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/29 07:05
S14 1	10	("4039170"   "4403863"   "4552463"   "4560284"   "4619531"   "4632568"   "4801210"   "4830505"   "4848920").PN. OR ("5368382").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/29 07:21
S14 2	19	("3328003"   "3881701"   "4112520"   "4316673"   "4560284"   "Re28072").PN. OR ("4632568").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/29 07:22
S14 3	16	("3328003").URPN.	USPAT	OR	ON	2007/08/29 07:23
S14 4	42	("3051453"   "3195865"   "3239197"   "3328003"   "3406947"   "3470912"   "3506244").PN. OR ("3620506").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/29 07:23
S14 5	6	((("4264212") or ("5582251") or ("4264212") or ("6450679"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/29 07:32
S14 6	3784	(in-line or "inline") and static and mixer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/29 07:34
S14 7	21	((in-line or "inline") and static and mixer).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/29 07:33
S14 8	5918	(in-line or "inline") and static and (mixer or mixing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/29 07:34

## EAST Search History

S14 9	6470	"tube pump"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 06:35
S15 0	2	("6354729").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/19 06:30
S15 1	1257	S149 and reservoir	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 06:40
S15 2	98	"cement pump" and reservoir	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 06:41
S15 3	12	S152 and pump.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 06:42
S15 4	449	"pumping mechanism" and reservoir and pump.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 06:43
S15 5	107	"tubing pump" and reservoir and pump.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 06:44
S15 6	483078	"tubing pump" and (concrete or cement) or reservoir	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 07:38
S15 7	121	"tubing pump" and (concrete or cement) and reservoir	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 07:39

## EAST Search History

S15 8	1042	((concrete or cement)adj pump).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 07:41
S15 9	34	((concrete or cement)adj pump).ti. and reservoir	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 07:45
S16 0	4	"sludge pump".ti. and reservoir	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 07:41
S16 1	20	"slurry pump".ti. and reservoir	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 07:46
S16 2	400	("slurry pump".ti. or "sludge pump". ti. or ((concrete or cement)adj pump).ti.) and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/19 07:50
S16 3	2	("5857490").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/19 07:59
S16 4	2	("3,994,624").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/19 08:00
S16 5	244	"fluid mixing" and hopper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 10:36
S16 6	2	("6354729").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/24 10:08



## EAST Search History

S16 7	9	("2280272"   "3194540"   "4564333").PN. OR ("6354729"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/24 10:09
S16 8	154302	S167 and reservoir or hopper	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/24 10:09
S16 9	1	S167 and (reservoir or hopper)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/24 10:10
S17 0	1348	stator and rotor and mixing and (reservoir or hopper)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 11:00
S17 1	28462	hopper.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 11:00
S17 2	2	S171 and S170	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 11:01
S17 3	2	("6837397").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/24 11:02
S17 4	4	S170 and reservoir.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/09/24 11:02
S17 5	2	("5368382").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/26 06:33
S17 6	781	"pressure feed pipe"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/09/26 06:33

## EAST Search History

S17 7	95	S176 and reservoir	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/09/26 06:34
S17 8	290	"tubing pump" and (cement or concrete)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/09/26 06:35
S17 9	2	S177 and (cement or concrete)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/09/26 06:35
S18 0	121	S178 and reservoir	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/09/26 06:36
S18 1	1	S180 and pump.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/09/26 06:35
S18 2	24	"cement pump".ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/09/26 06:37